

C L A I M S :

1. Use of zinc alloys containing from 5 to 35% by weight of aluminum and optionally further alloy components as constructional zinc for strips and plates.
2. The use according to claim 1, characterized by an aluminum content of from 5 to 20%, preferably from 8 to 15% by weight.
3. The use according to claims 1 or 2, characterized by:
from 0.002 to 0.04% by weight of indium; and/or
from 0.002 to 0.04% by weight of calcium; and/or
from 0.002 to 0.4% by weight of titanium; and/or
from 0.05 to 0.8% by weight of manganese;
as said further alloy components.
4. The use according to any of claims 1 to 3, characterized by from 3 to 100 ppm of boron, from 3 to 100 ppm of carbon, from 3 to 50 ppm of magnesium, from 2 to 500 ppm of vanadium, from 2 to 500 ppm of silicon and/or from 2 to 500 ppm of nickel as said further alloy components.

C L A I M:
(amended December 8, 2000)

1. Use of zinc alloys containing from 8 to 15% by weight of aluminum and optionally further alloy components, namely

from 0.002 to 0.4% by weight of titanium; and/or
from 3 to 100 ppm of boron; and/or
from 3 to 50 ppm of magnesium;

and optionally

from 0.002 to 0.04% by weight of indium; and/or
from 0.002 to 0.04% by weight of calcium; and/or
from 0.05 to 0.8% by weight of manganese; and

from 3 to 100 ppm of carbon, from 2 to 500 ppm of vanadium, from 2 to 500 ppm of silicon and/or from 2 to 500 ppm of nickel; but containing less than 0.1% by weight of copper and less than 0.1% by weight of iron, and lead only as unavoidable impurities;

for the preparation of strips and plates which can be used as constructional zinc and are prepared by the casting-and-rolling process.